

AMENDMENTS TO THE CLAIMS:

Please amend Claim 7 and cancel Claims 8 to 12 as shown below. This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1–6. (Cancelled)

7. (Currently amended) An injection apparatus in a cold chamber die casting molding machine configured to supply which supplies molten metal of a light metal material into a material supply mouth of an injection sleeve, the injecting injection sleeve having a plunger injection device configured to inject for injecting the molten metal using an inserting injecting plunger, the injecting injection apparatus comprising:

a melting device configured to melt for melting the light metal material, [[said]]
the melting device further comprising:

a billet supplying device, said billet supplying device replenishing the
molding configured to replenish the molten metal using a plurality of cylindrical rod-shaped billets of the light metal material,

a billet inserting device disposed adjacent to [[said]] the billet supplying device, [[said]] the billet inserting device configured to move moving each billet forward with [[an]] the inserting plunger and/or to retreat retreating the inserting plunger a distance which exceeds an overall length of each billet, [[and]]

a [[first]] melting cylinder situated adjacent to [[said]] the billet supplying device obverse to [[said]] the billet inserting device, said first the melting cylinder

including a cylinder bore having an inside diameter which does not allow most of the cylinder bore to come into contact with a front end of each billet, the melting cylinder configured to accommodate aeeommodating the plurality of billets moved forward by the inserting plunger and incrementally melting the plurality of billets and to melt each billet from the front end of said billet to produce several shots of molten metal, said melting device measuring the molten metal by pushing each billet with the inserting plunger and supplying one shot of the molten metal into the injection sleeve after said plunger injection device makes the inserting plunger retreat; and

a cooling member disposed between the billet supplying device and the melting cylinder, the cooling member having a through hole and a cooling duct, the cooling duct configured to circulate cooling liquid around the through hole, the cooling member configured to cool the billets, and

a cooling sleeve disposed between the cooling member and the melting cylinder, the cooling sleeve having an annular groove with a diameter larger than a diameter of the through hole, the annular groove configured to cool the molten metal and to form an annular seal of solidified molten material on a periphery of the billets; and

a molten metal feeding member, said molten metal feeding member for pouring configured to pour molten metal from [[said]] the melting device to the plunger injection device, [[said]] the molten metal feeding member including forming a material supplying

hole for pouring configured to pour the molten metal from a distal end of the [[a]] cylinder bore of [[said]] the first melting cylinder to the material supply mouth, wherein the melting device is configured to meter the molten metal by pushing each billet with the inserting plunger and supplying one shot of the molten metal into the injection sleeve after the plunger injection device makes the inserting plunger retreat for replenishing.

8–12. (Cancelled)